

Project Title:	Predicting the Toxicity of Nanomaterials by a Transforming Protein Corona
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Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
A Thermodynamics Model for the Emergence of a Stripe-like Binary SAM on a Nanoparticle Surface.	Ge, Xinwei; Ke, Pu Chun; Davis, Thomas P; Ding, Feng	Small (2015 Oct 7)	11 / 4894-9	PubMed Citation
Biomolecular Interactions and Biological Responses of Emerging Two-Dimensional Materials and Aromatic ...	Mallineni, Sai Sunil Kumar; Shannahan, Jonathan; Raghavendra, Achyut J; Rao, Apparao M; Brown, Jared M; Podila, Ramakrishna	ACS Appl Mater Interfaces (2016 Jul 6)	8 / 16604-11	PubMed Citation
C60 as an active smart spacer material on silver thin film substrates for enhanced surface plasmon c ...	Mulpur, Pradyumna; Podila, Ramakrishna; Ramamurthy, Sai Sathish; Kamisetty, Venkataramiah; Rao, Apparao M	Phys Chem Chem Phys (2015 Apr 21)	17 / 10022-7	PubMed Citation
Contrasting effects of nanoparticle-protein attraction on amyloid aggregation.	Radic, Slaven; Davis, Thomas P; Ke, Pu Chun; Ding, Feng	RSC Adv (2015 Jan 1)	5 / 105498	PubMed Citation
Graphene oxide inhibits hIAPP amyloid fibrillation and toxicity in insulin-producing NIT-1 cells.	Nedumpully-Govindan, Praveen; Gurzov, Esteban N; Chen, Pengyu; Pilkington, Emily H; Stanley, William J; Litwak, Sara A; Davis, Thomas P; Ke, Pu Chun; Ding, Feng	Phys Chem Chem Phys (2016 Jan 7)	18 / 94-100	PubMed Citation
Influence of carbon nanomaterial defects on the formation of protein corona.	Sengupta, Bishwambhar; Gregory, Wren E; Zhu, Jingyi; Dasetty, Siva; Karakaya, Mehmet; Brown, Jared M; Rao, Apparao M; Barrows, John K; Sarupria, Sapna; Podila,	RSC Adv (2015)	5 / 82395-82402	PubMed Citation

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Inhibition of hIAPP Amyloid Aggregation and Pancreatic β -Cell Toxicity by OH-Terminated PAMAM Dendri ...	Gurzov, Esteban N; Wang, Bo; Pilkington, Emily H; Chen, Pengyu; Kakinen, Aleksandr; Stanley, William J; Litwak, Sara A; Hanssen, Eric G; Davis, Thomas P; Ding, Feng; Ke, Pu Chun	Small (2016 Mar 23)	12 / 1615-26	PubMed Citation
Promotion or Inhibition of Islet Amyloid Polypeptide Aggregation by Zinc Coordination Depends on Its ...	Nedumpully-Govindan, Praveen; Yang, Ye; Andorfer, Rachel; Cao, Weiguo; Ding, Feng	Biochemistry (2015 Dec 22)	54 / 7335-44	PubMed Citation
Stabilizing Off-pathway Oligomers by Polyphenol Nanoassemblies for IAPP Aggregation Inhibition.	Nedumpully-Govindan, Praveen; Kakinen, Aleksandr; Pilkington, Emily H; Davis, Thomas P; Chun Ke, Pu; Ding, Feng	Sci Rep (2016)	6 / 19463	PubMed Citation
Thermostability and reversibility of silver nanoparticle-protein binding.	Wang, Bo; Seabrook, Shane A; Nedumpully-Govindan, Praveen; Chen, Pengyu; Yin, Hong; Waddington, Lynne; Epa, V Chandana; Winkler, David A; Kirby, Jason K; Ding, Feng; Ke, Pu Chun	Phys Chem Chem Phys (2015 Jan 21)	17 / 1728-39	PubMed Citation
Tomato Seed Coat Permeability to Selected Carbon Nanomaterials and Enhancement of Germination and Se ...	Ratnikova, Tatsiana A; Podila, Ramakrishna; Rao, Apparao M; Taylor, Alan G	ScientificWorldJournal (2015)	2015 / 419215	PubMed Citation